Xiao-Nan Luo

List of Publications by Year
in descending order

112 papers	1,450 citations	430874 18 h-index	377865 34 g-index
112 all docs	112 docs citations	112 times ranked	1257 citing authors

#	Article	IF	Citations
1	MADNet: A Fast and Lightweight Network for Single-Image Super Resolution. IEEE Transactions on Cybernetics, 2021, 51, 1443-1453.	9.5	175
2	Competitive and cooperative particle swarm optimization with information sharing mechanism for global optimization problems. Information Sciences, 2015, 293, 370-382.	6.9	154
3	Local Binary Pattern-Based Adaptive Differential Evolution for Multimodal Optimization Problems. IEEE Transactions on Cybernetics, 2020, 50, 3343-3357.	9.5	97
4	Cascading and Enhanced Residual Networks for Accurate Single-Image Super-Resolution. IEEE Transactions on Cybernetics, 2021, 51, 115-125.	9.5	82
5	A Classifier-Assisted Level-Based Learning Swarm Optimizer for Expensive Optimization. IEEE Transactions on Evolutionary Computation, 2021, 25, 219-233.	10.0	67
6	Prior Knowledge-Based Probabilistic Collaborative Representation for Visual Recognition. IEEE Transactions on Cybernetics, 2020, 50, 1498-1508.	9.5	66
7	A Cooperative Co-Evolutionary Approach to Large-Scale Multisource Water Distribution Network Optimization. IEEE Transactions on Evolutionary Computation, 2019, 23, 842-857.	10.0	52
8	A fuzzy neural network model for predicting clothing thermal comfort. Computers and Mathematics With Applications, 2007, 53, 1840-1846.	2.7	48
9	A Two-Phase Learning-Based Swarm Optimizer for Large-Scale Optimization. IEEE Transactions on Cybernetics, 2021, 51, 6284-6293.	9.5	47
10	CPPA-D: Efficient Conditional Privacy-Preserving Authentication Scheme With Double-Insurance in VANETs. IEEE Transactions on Vehicular Technology, 2021, 70, 3456-3468.	6.3	42
11	Diagnosis of Alzheimer's disease via an attention-based multi-scale convolutional neural network. Knowledge-Based Systems, 2022, 238, 107942.	7.1	36
12	Lightweight Image Super-Resolution via Weighted Multi-Scale Residual Network. IEEE/CAA Journal of Automatica Sinica, 2021, 8, 1271-1280.	13.1	31
13	Image denoising via deep residual convolutional neural networks. Signal, Image and Video Processing, 2021, 15, 1-8.	2.7	28
14	A CAD system for multi-style thermal functional design of clothing. CAD Computer Aided Design, 2008, 40, 916-930.	2.7	27
15	A simple texture feature for retrieval of medical images. Multimedia Tools and Applications, 2018, 77, 10853-10866.	3.9	27
16	Surface Simplification Using multi-edge mesh collapse. , 2007, , .		26
17	Modeling Expressive Wrinkles of Face For Animation. , 2007, , .		24
18	Ant Colony Evacuation Planner: An Ant Colony System With Incremental Flow Assignment for Multipath Crowd Evacuation. IEEE Transactions on Cybernetics, 2021, 51, 5559-5572.	9.5	21

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19	Dombi power partitioned Heronian mean operators of q-rung orthopair fuzzy numbers for multiple attribute group decision making. PLoS ONE, 2019, 14, e0222007.	2.5	20
20	Scheduling Workflows With Composite Tasks: A Nested Particle Swarm Optimization Approach. IEEE Transactions on Services Computing, 2022, 15, 1074-1088.	4.6	19
21	Progressive meshes transmission over a wired-to-wireless network. Wireless Networks, 2008, 14, 47-53.	3.0	18
22	A Hierarchical Sorting Swarm Optimizer for Large-Scale Optimization. IEEE Access, 2019, 7, 40625-40635.	4.2	18
23	A Convolutional Attention Residual Network for Stereo Matching. IEEE Access, 2020, 8, 50828-50842.	4.2	17
24	A Parameter-Selection-Based Chaotic System. IEEE Transactions on Circuits and Systems II: Express Briefs, 2019, 66, 492-496.	3.0	16
25	A Divide-and-conquer Evolutionary Algorithm for Large-scale Virtual Network Embedding. IEEE Transactions on Evolutionary Computation, 2019, , 1-1.	10.0	15
26	Automatic Detection of Outdated Comments During Code Changes. , 2018, , .		11
27	Recommending software features for mobile applications based on user interface comparison. Requirements Engineering, 2019, 24, 545-559.	3.1	11
28	Indoor Positioning Method Based on WiFi/Bluetooth and PDR Fusion Positioning. , 2021, , .		11
29	Using discriminative feature in software entities for relevance identification of code changes. Journal of Software: Evolution and Process, 2017, 29, e1859.	1.6	10
30	From Coarse to Fine: A Stage-Wise Deraining Net. IEEE Access, 2019, 7, 84420-84428.	4.2	10
31	SPFusionNet: Sketch Segmentation Using Multi-modal Data Fusion. , 2019, , .		10
32	Hesitant fuzzy power Maclaurin symmetric mean operators in the framework of Dempster–Shafer theory for multiple criteria decision making. Journal of Ambient Intelligence and Humanized Computing, 2022, 13, 1777-1797.	4.9	10
33	Robust subspace learning-based low-rank representation for manifold clustering. Neural Computing and Applications, 2019, 31, 7921-7933.	5.6	9
34	A Novel Exercise Thermophysiology Comfort Prediction Model with Fuzzy Logic. Mobile Information Systems, 2016, 2016, 1-16.	0.6	8
35	Lecture2Note: Automatic Generation of Lecture Notes from Slide-Based Educational Videos. , 2019, , .		8
36	SE-IYOLOV3: An Accurate Small Scale Face Detector for Outdoor Security. Mathematics, 2020, 8, 93.	2.2	8

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37	A novel approach to automatic detection of presentation slides in educational videos. Neural Computing and Applications, 2018, 29, 1369-1382.	5.6	7
38	A User Study on the Capability of Three Geo-Based Features in Analyzing and Locating Trajectories. IEEE Transactions on Intelligent Transportation Systems, 2019, 20, 3375-3385.	8.0	7
39	Texture branch network for chronic kidney disease screening based on ultrasound images. Frontiers of Information Technology and Electronic Engineering, 2020, 21, 1161-1170.	2.6	7
40	Large-scale optimisation via cooperatively coevolving competition swarm optimiser. Enterprise Information Systems, 2020, 14, 1439-1456.	4.7	7
41	Acoustic Signal Positioning and Calibration with IMU in NLOS Environment. , 2019, , .		6
42	Enhancing statistical charts: toward better data visualization and analysis. Journal of Visualization, 2019, 22, 819-832.	1.8	6
43	A 3D model perceptual feature metric based on global height field. Visual Computer, 2016, 32, 1151-1164.	3.5	5
44	A Graph-Based Visual Query Method for Massive Human Trajectory Data. IEEE Access, 2019, 7, 160879-160888.	4.2	5
45	FBVA: A Flow-Based Visual Analytics Approach for Citywide Crowd Mobility. IEEE Transactions on Computational Social Systems, 2019, 6, 277-288.	4.4	5
46	Multi-scale single image rain removal using a squeeze-and-excitation residual network. Applied Soft Computing Journal, 2020, 92, 106296.	7.2	5
47	Bilinear pyramid network for flower species categorization. Multimedia Tools and Applications, 2021, 80, 215-225.	3.9	5
48	Fine-grained correlation analysis for medical image retrieval. Computers and Electrical Engineering, 2021, 90, 106992.	4.8	5
49	WaveLines: towards effective visualization and analysis of stability in power grid simulation. Frontiers of Computer Science, 2021, 15, 1.	2.4	5
50	FaultTracer: interactive visual exploration of fault propagation patterns in power grid simulation data. Journal of Visualization, 2021, 24, 1051-1064.	1.8	5
51	Attention-based bi-directional refinement network for salient object detection. Applied Intelligence, 2022, 52, 14349-14361.	5.3	5
52	Mesh Simplification Algorithm Based on Quadrangle Collapse. , 2007, , .		4
53	An Exercise Health Simulation Method Based on Integrated Human Thermophysiological Model. Computational and Mathematical Methods in Medicine, 2017, 2017, 1-15.	1.3	4
54	Cost-sensitive collaborative representation based classification via probability estimation with addressing the class imbalance. Multimedia Tools and Applications, 2018, 77, 10835-10851.	3.9	4

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55	2D Chebyshev-Sine Map for Image Encryption. , 2018, , .		4
56	Coupling Computation of Density-Invariant and Divergence-Free for Improving Incompressible SPH Efficiency. IEEE Access, 2020, 8, 135912-135919.	4.2	4
57	Radiographs and texts fusion learning based deep networks for skeletal bone age assessment. Multimedia Tools and Applications, 2021, 80, 16347-16366.	3.9	4
58	Chinese Emotional Dialogue Response Generation via Reinforcement Learning. ACM Transactions on Internet Technology, 2021, 21, 1-17.	4.4	4
59	An Adaptive Subdivision Method Based on Limit Surface Normal. , 2007, , .		3
60	A hybrid features learning model for single image haze prediction. Signal, Image and Video Processing, 2018, 12, 1001-1008.	2.7	3
61	A Wifi Positioning Method Based on Stack Auto Encoder. , 2018, , .		3
62	Indoor UWB Location Based on Residual Weighted Chan Algorithm. , 2018, , .		3
63	Robust Spectral Clustering via Matrix Aggregation. IEEE Access, 2018, 6, 53661-53670.	4.2	3
64	Multi-level Competitive Swarm Optimizer for Large Scale Optimization. Advances in Intelligent Systems and Computing, 2020, , 185-197.	0.6	3
65	BAVC: Efficient Blockchain-Based Authentication Scheme for Vehicular Secure Communication. , 2021, , .		3
66	A Visual Analytics Approach for Structural Differences Among Graphs via Deep Learning. IEEE Computer Graphics and Applications, 2021, 41, 18-31.	1.2	3
67	Research on Palm Vein Recognition Algorithm Based on Improved Convolutional Neural Network. , 2020, , .		3
68	An Improved Method for Indoor Positioning of Wifi Based on Location Fingerprint. , 2018, , .		2
69	An Efficient and Secure Two-Factor Password Authentication Scheme With Card Reader(Terminal) Verification. IEEE Access, 2018, 6, 70707-70719.	4.2	2
70	Automatically Detecting the Scopes of Source Code Comments. , 2018, , .		2
71	Rain-Density Squeeze-and-Excitation Residual Network for Single Image Rain-removal. , 2019, , .		2
72	Bluetooth-Based WKNNPF and WKNNEKF Indoor Positioning Algorithm. , 2021, , .		2

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73	Discriminative Codebook Hashing for Supervised Video Retrieval. Computational Intelligence and Neuroscience, 2021, 2021, 1-11.	1.7	2
74	Body Temperature Prediction with Recurrent Neural Network and its Variants. , 2021, , .		2
75	Autonomous underwater vehicles (AUVs) path planning based on Deep Reinforcement Learning. , 2021, , .		2
76	Interpolatory Ternary Subdivision for Triangular Meshes with Arbitrary Topology. , 2006, , .		1
77	Silhouettes Preserved Simplification for Small-Screen Display. , 2007, , .		1
78	Maximised selfâ€similarity upsampler. IET Image Processing, 2017, 11, 1229-1237.	2.5	1
79	Image Encryption Using 2D Sine-Piecewise Linear Chaotic Map. , 2018, , .		1
80	Inferring Missing Attributes of Users in Large-Scale Social networks. , 2019, , .		1
81	Meta-Relation Networks for Few Shot Learning. , 2019, , .		1
82	SK-FMYOLOV3: A Novel Detection Method for Urine Test Strips. Wireless Communications and Mobile Computing, 2020, 2020, 1-14.	1.2	1
83	Example-based web page recoloring method. Frontiers of Computer Science, 2020, 14, 1.	2.4	1
84	ChartNavigator: An Interactive Pattern Identification and Annotation Framework for Charts. IEEE Transactions on Knowledge and Data Engineering, 2021, , 1-1.	5.7	1
85	CVE-Net: cost volume enhanced network guided by sparse features for stereo matching. Soft Computing, 2021, 25, 15183-15199.	3.6	1
86	A Fast Thinning Algorithm of Square Hmong Character Handwriting Using Template Matching Mechanism. , 2020, , .		1
87	Cascading and Residual Connected Network for Single Image Superresolution. Wireless Communications and Mobile Computing, 2021, 2021, 1-13.	1.2	1
88	Alzheimerâ€™s Disease Classification Based on One Dimensional Convolutional Neural Network. , 2020, , .		1
89	A Novel Biometric Method for Blurred Palm Vein Images. , 2020, , .		1
90	Smartphone-Based Pedestrian NLOS Positioning based on Acoustics and IMU Parameter Estimation. IEEE Sensors Journal, 2022, , 1-1.	4.7	1

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91	SWRL Bridge-Peer Model: An Improved Super-Peer Model Based on the Extended SWRL and Its Application. , 2011, , .		0
92	Robust Late Fusion on Multi-View Clustering. , 2016, , .		0
93	A Self-Adapting Approach to Topic Boundary Detection in Video Subtitles. , 2016, , .		0
94	A New Two-Phase Classifier for Face Recognition. , 2018, , .		0
95	Displacement Prediction of Landslide Based on GA-ELM and Optimization of Inducing Factors. , 2018, , .		0
96	PSI: A probabilistic semantic interpretable framework for fine-grained image ranking. Journal of the Association for Information Science and Technology, 2018, 69, 1488-1501.	2.9	0
97	optimization Design of Submodule Cascade Sequence in Biomedical Circuits. , 2019, , .		0
98	Efficient Signal Distribution of Indoor Acoustic Inhibition Using Delaunay Triangulation. , 2019, , .		0
99	Landslide Prediction Based on Multiple Inducing Factors. , 2019, , .		0
100	A dynamical model for generating synthetic Ballistocardiogram signals. , 2019, , .		0
101	A hybrid predicting model for displacement of multifactor-triggered landslides. , 2019, , .		0
102	SRGNet: A GRU Based Feature Fusion Network for Image Denoising. , 2019, , .		0
103	Nonlinear Characteristic Analysis of Ballistocardiogram Signals Based on Chaotic Time Series. , 2019, , .		0
104	Local Connectivity Enhanced Sparse Representation. IEEE Access, 2020, 8, 159854-159863.	4.2	0
105	Research on Simplified Mesh Deformation Based on Differentiable Computation. , 2021, , .		0
106	OGFNet: Original Resolution Subnetwork and GRU Based Feature Fusion Network for Image Denoising. , 2021, , .		0
107	3D Neuron Segmentation Based on 3D DSAC U-Net. , 2020, , .		0
108	CASR: A Network for Single-Image Super-Resolution with Cascading and Residual connections. , 2020, , .		0

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109	Transformation Modeling with Deformable ConvNets for Facial Action Unit Detection. , 2020, , .		0
110	Discriminative Similarity-Balanced Online Hashing for Supervised Image Retrieval. Scientific Programming, 2022, 2022, 1-12.	0.7	0
111	Fusing Ultra-wideband Range Measurements with IMU for Mobile Robot Localization. , 2021, , .		0
112	MorphText: Deep Morphology Regularized Accurate Arbitrary-Shape Scene Text Detection. IEEE Transactions on Multimedia, 2023, 25, 4199-4212.	7.2	0